

ABSTRACT

A metal-coated cubic boron nitride abrasive grain obtained by forming grooves, in which the ratio (w/d) of the width (w) to the depth (d) is less than 1, and the ratio (w/L) of the width (w) to the length (L) is less than 0.1, on the surface of a cubic boron nitride abrasive grain. In this cubic boron nitride abrasive grain, the retention force (bonding strength) between the metallic coating and the cubic boron nitride abrasive grain is improved; therefore, it is possible to fabricate a resin bonded grinding wheel, in which a high grinding ratio (long life) and a low grinding power (superior grinding performance) are achieved, using such cubic boron nitride abrasive grains.